

The following were developed by G.C. Smith and Sons, North East, Pennsylvania, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589263. *Malus domestica* Borkh.

Loop Wealthy 2-4-4-4. Pedigree - Large-fruited mutation of Wealthy; planted 1909; discovered about 1940; never introduced. Comments:: Fruit: large; similar to parent. Produces diploid gametes; a pariclinal cytochimera 2-4-4-4. Tree: not as productive as parent. Chimeral nature determined at the New York State Agr. Exp. Sta., Geneva, NY. Large-fruited mutation of Wealthy.

The following were developed by C.L. Stearns. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589264. *Malus domestica* Borkh.

Stearns. Collected in Unknown. Clay, New York, United States. Pedigree - Esopus Spitzenburg seedling; fruited before 1899. Comments:: Fruit: size very large, up to 110 mm; skin 70-90% red, splashed stripes; shape round-oblate; flesh semifirm cream-colored; flavor subacid; eating quality good; harvest season mid-September, 3 wks before Delicious. Tree: upright; productive; annual cropping; Diploid(Proc.Am.Soc.Hort.Sci. 50: 45. 1947). Large, mid-season, good quality. R.D. Way, 1993. (Fruit Varieties J. 38:60. 1984.).

The following were donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589265. *Malus domestica* Borkh.

Red Canada. Pedigree - Unknown; intro. before 1822; probable origin New England. Comments:: Fruit: resembles Baldwin; size large, 70-85 mm; skin 80- 100% attractive dark red, striped, greasy when overripe; shape round-oblate; flesh firm, cream-colored; flavor sub- acid; eating quality better than fair; harvest season late, late October, 3 wks after Delicious; long storage life. Tree: productive; strongly biennial cropping; diploid (J. Am. Soc. Hort. Sci. 103:690. 1978). Late, large, red, only medium quality. --R.D. Way, 1992. (Received in 1883 from Ellwanger and Barry).

PI 589266. *Malus fusca* (Raf.) C. Schneider

F-19. Comments:: Leaves: lobed; reddish tinge. See *Malus fusca*.

The following were donated by USDA, ARS, U.S. National Arboretum, National Germplasm Repository, Washington, District of Columbia 20002, United States. Received 01/20/1983.

PI 589267. *Malus* hybrid

Firefly; 151 EM; GMAL 1362.

PI 589268. *Malus* hybrid

Winter Holly; 172 EM; GMAL 1369.

PI 589269. *Malus* hybrid

Golden Spires; 181 EM; GMAL 1371. Collected 1850 in Unknown. Worcester, England. Pedigree - Wild. Comments:: Size medium 62-65:57-78 mm; shape tall, rectangular to truncate-conic, convex to concave; ribs prominent